

Patent Abstracts of Japan

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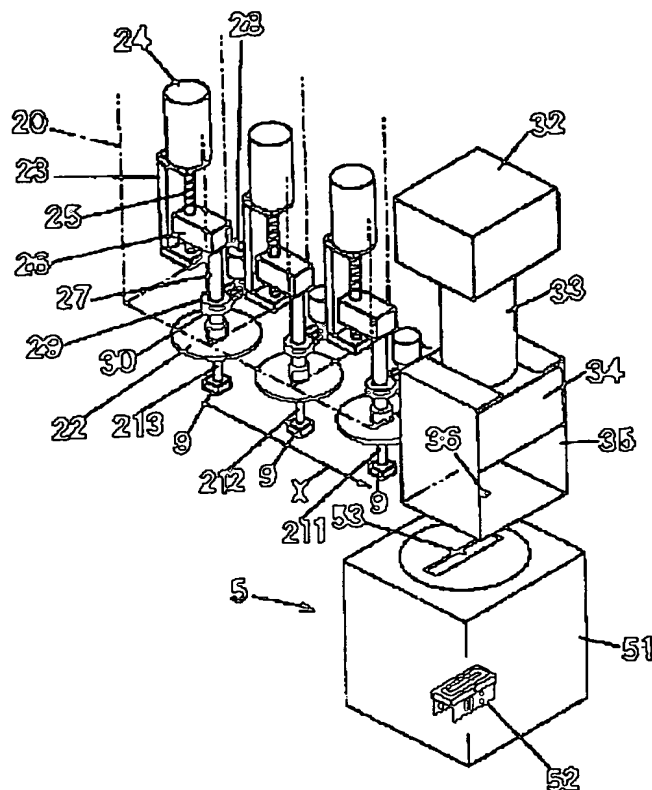
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TITLE : ELECTRONIC PART MOUNTING
DEVICE AND METHOD FOR
DETECTING NOZZLE POSITION
THEREIN



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ABSTRACT : PROBLEM TO BE SOLVED: To simply and accurately find out the position of a nozzle for vacuum- sucking an electronic part when an electronic part of parts feeder is transferred/ mounted to/on a board, by a transfer head provided integrally with a camera for board recognition.

SOLUTION: A transfer head 20 is provided with nozzles 211, 212 and 213 and is provided integrally with a camera 32 for board recognition. The camera 32 holds a jig 35, in which a target 36 is made. The head 20 is moved to the upper side of a recognition unit 5 having a line sensor 52 so as to capture the pictures of the target 36 and nozzles 211, 212 and 213. In addition, the picture of the target 36 is captured by the camera 32, and both pictures are synthesized to determine the positions of the nozzles 211, 212 and 213 against the optical axis of the camera 32 accurately.

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